

Sludge

Thickeners

Thickened Sludge: _____ lb/day
Minimum Percent Solids: _____

Digestion

Digested Sludge: _____ lb/day
Percent Volatile Solids: _____
Residence Time: _____
Minimum Temperature: _____ °C

Dewatering

Dewatered Sludge: _____ lb/day
Minimum Percent Solids: _____

Disposal

Solids: _____ lb/day
Application Rate: _____ lb/acre/day

Lagoons

Effluent: CBOD₅: _____ mg/l and _____ lb/day
Suspended Solids: _____ mg/l and _____ lb/day
Ammonia: _____ mg/l and _____ lb/day

The seepage rate through the lagoon base and dikes will not be greater than 1/4 inch/day of water surface drop, which corresponds to a 7.3×10^{-6} cm/sec. coefficient of permeability.

Land Treatment

The runoff from the site will not cause erosion or result in surface water or ground water degradation.

Application Rate: _____ gpd/acre

Plant Effluent

<i>Parameters</i>	<i>Monthly Average</i>		<i>Weekly Average</i>		<i>Daily Maximum</i>
	(mg/l)	(lb/day)	(mg/l)	(lb/day)	(mg/l)
CBOD ₅					
Suspended Solids					
Ammonia as Nitrogen					

Total Chlorine Residual: _____ mg/l (maximum)
Settleable Solids: _____ mg/l (maximum)
Dissolved Oxygen: _____ mg/l (maximum)
Fecal Coliform: _____ colonies/100 ml
pH: 6.0 - 9.0 standard units

Minimum Influent Percent Reduction (30-day average, 85% - 65% Rule)

CBOD₅: _____
Suspended Solids: _____

Interceptors, Collectors

Interceptors/collectors will meet infiltration/exfiltration/air testing requirements as specified in Tennessee's Design Criteria for Sewage Works and SRF-approved project specifications prior to initiation of operation.

No bypassing/surcharging will be caused by inadequate capacity in the newly constructed interceptor(s) or collector(s) following the completion of construction.

Infiltration/Inflow Correction

Bypasses, overflows, and surcharges will not occur in the newly constructed/rehabilitated portion(s) of the collection system following initiation of operation.

Infiltration/inflow work will be performed in accordance with the SRF-approved plans and specifications.

Infiltration/inflow will not result in non-compliance with the wastewater treatment facility's National Pollutant Discharge Elimination System (NPDES) Permit following initiation of operation.

Pump Stations

Peak Capacity: _____ MGD
Total Dynamic Head at Peak Capacity: _____ ft

The pump station(s) will have adequate capacity to prevent bypassing/surcharging from occurring following initiation of operation.

Consulting Engineer

Date